

**ASSOCIATION OF BOARDS OF CERTIFICATION
CONTINUING EDUCATION COURSE TOPIC GUIDELINES
FOR WATER TREATMENT OPERATORS
Effective January 1, 2009**

Continuing Education Topics	Approved for Water Treatment Operators as Noted
General	
Basic Computers	X
Basic Electricity for Operators	X
Basic Hydraulics	X
Geographic Info Systems (GIS)	Not approved
Math for Operators	X
Water Chemistry	X
Water Microbiology	X
Safety	
Backhoe Operator	Not approved
Chlorine Safety	X
Confined Space	X
Electrical Hazards	X
Excavations, Trenching/Shoring/ Competent Person	Not approved
Hazard Communication/Right-to-Know	X
Lab Safety	X
Lockout/Tagout	X
Personal Protective Equipment / Respiratory Protection	X
Safe Handling of Materials	X
Spill Response	X
Traffic Control/Work Zone Safety	Not approved
Water & Blood-borne Pathogens	X
O & M Equipment	
Aeration Equipment	X
Belt Filter presses	X
Blowers and Compressors	X
Booster Pumping Stations	X
Centrifuges	X
Chemical Storage/Feed Systems	X
Cross Connection/Backflow Prevention Equipment	X
Electrical controls/SCADA	X
Flow Monitoring & Level Sensing Equipment	X
Generators/Switchgear	X
Hydraulic and Pneumatic Equipment	X

Instrumentation	X
Leak Detection	Not Approved
Cathodic Protection	Not Approved
Mechanical Process Equipment	X
Mixers	X
Motor Control Centers	X
Motors/Engines/Drives	X
Pipe, Valves, Fittings	X
Programmable Logic Controllers	X
Pumping/Lift Stations	X
Pumps	X
Stand-by/Aux/Support Equip	X
Variable Freq Drives	X
Water Treatment Process/ Quality Control	
Adsorption Processes	X
Aeration	X
Algae Control	X
Aquifer Storage & Recovery	X
Arsenic Removal	X
Bacteriological Sampling Procedures	X
Basic Knowledge of Groundwater Treatment	X
Basic Knowledge of Water Treatment	X
Cation Exchange Softening	X
Chemical Precipitation Softening	X
Chemical Storage & Handling	X
Chemical Treatment	X
Coagulation & Flocculation	X
Corrosion Control	X
Cross-Connection/ Backflow	X
Disinfecting Water Storage Vessels	X
Drinking Water Disinfection	X
Drinking Water Standards & Rules	X
Filtration	X
Flow Measurement: Open Channel & Pipe	X
Fluoridation	X
Groundwater Basics/Aquifers	X
Intake Structures	X
Iron & Manganese Removal	X
Jar Testing	X
Membrane Processes: Filtration Modes	X
Metering	X

Nitrate Removal	X
Oxidation	X
Pesticide & Herbicide Reduction	X
Plant & Distribution Storage	X
Point of Use/Point of Entry Devices	Not Approved
Process Optimization & Upgrade	X
Residuals Disposal	X
Sampling & Lab Analysis	X
Sedimentation/Clarification	X
Surface Water Treatment	X
Taste & Odor Control	X
Water Source Treatment & Characteristics	X
Well Maintenance & Rehab	X
Well Operation (yield, drawdown)	X
Zebra Mussel Control	X
Distribution Process/ Quality Control	
Aquifer Storage & Recovery	X
Chlorination	X
Corrosion Control	X
Cross-Connection/ Backflow	X
Dechlorination	X
Distribution Systems	X
Drinking Water Standards	X
Fire Flow Testing	Not Approved
Flushing, Pigging, and Swabbing	Not Approved
Groundwater Basics/Aquifers	X
Hydrants, Valves, Exercising Programs	Not Approved
Leak Detection/Water Audits	Not Approved
Mapping, Locating, Tracer Wire	Not Approved
Metering	X
New Main & Repair Disinfection	Not Approved
Sampling & Lab Analysis	X
Service Line & Curb Box Maintenance	Not Approved
Service Line Thawing	Not Approved
Storage	X
Trenchless Construction: Pipe Bursting	Not Approved
Water Source Characteristics	X
Well Maintenance Rehabilitation	X
Well Operation (yield, drawdown)	X
Wellhead/Source Water Protection	X
Administration/ Management	

Capacity, Management, Operation & Maintenance for Separate Systems	X
Compliance	X
Construction Inspection/ Documentation/ Design Build	Not Approved
Community/Public Relations/Complaint Response	X
Design Manual Development	Not Approved
Emergency Response Planning & Security Training	X
Energy Efficiency/ Energy Conservation at W/WW Facilities	X
Federal & State Financing Programs	X
Finance, Budget, Rate Setting	X
Health and Safety Program Implementation	X
Legal Issues for W/WW Utilities	X
Records and Reports: Monitoring/Reporting/Records Management	X
Planning/Organization/Project Management	X
Plant Optimization: Contin Process Improve/Sustainability/Asset Management/Statistical Process Control Techniques	X
Private Property Issues/Service Laterals	Not Approved
Problem Solving/Troubleshooting/Decision Making	X
Regs (CWA/SDWA, State & Local such as Operator Certification Requirements), NPDES Permit Requirements	X
Right-of-Way Management/Maintenance	Not Approved
Risk Management	X
Sanitary Surveys/plant/system inspections	X
Sewer Use Ordinances and Moratoriums	Not Approved
SSO/CSO Reduction/Elimination (Sanitary Sewer Overflow/ Combined Sewer Overflow)	Not Approved
Supervision and Personnel Management / Communication Skills	X
Surface Water/Groundwater/Watershed Protection	X
Training/Teaching Skills	Not Approved
Water Conservation	X

X= approved for continuing education credit